

## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,143

TIME: 13:42:02

Input Set : A:\PB0004-1CIPSEQLIST.txt

Output Set: N:\CRF3\04112001\I818143.raw

ENTERED

3 <110> APPLICANT: Walker, Michael G.  
 4 Volkmuth, Wayne  
 5 Klingler, Tod M.  
 7 <120> TITLE OF INVENTION: POLYNUCLEOTIDES COEXPRESSED WITH MATRIX-REMODELING GENES  
 9 <130> FILE REFERENCE: PB-0004 CIP  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/818,143  
 C--> 12 <141> CURRENT FILING DATE: 2001-03-26  
 14 <160> NUMBER OF SEQ ID NOS: 23  
 16 <170> SOFTWARE: PERL Program  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 1447  
 20 <212> TYPE: DNA  
 21 <213> ORGANISM: Homo sapiens  
 23 <220> FEATURE:  
 24 <221> NAME/KEY: unsure  
 25 <222> LOCATION: 1380  
 26 <223> OTHER INFORMATION: a or g or c or t, unknown, or other  
 W--> 28 <220> FEATURE: -  
 29 <223> OTHER INFORMATION: 606132CB1  
 31 <400> SEQUENCE: 1  
 32 cctggaacca gaaggagacc tacctgcaca tcatgaagaa cgaggaggag gtggtgatct 60  
 33 tgttcgogca ggtgggcgac cgcagcatca tgcaaagcca gagcctgatg ctggagctgc 120  
 34 gagagcagga ccaggtgtgg gtacgcctct acaaggcgga acgtgagaac gccatottca 180  
 35 gcgaggagct ggacacctac atcaccttca gtggtacct ggtcaagcac gccaccgagc 240  
 36 cctagctggc cggccacctc ctttcccttc gccaccttc acccctgcgc tglgctgacc 300  
 37 ccaccgctc ttcccgatc cctggactcc gactccctgg ctttggcatt cagtggagac 360  
 38 ccctgcacac acagaaagcc aaagcgatcg gtgctcccag atcccgagc ctctggagag 420  
 39 agctgacggc agatgaaatc accaggggcg ggaccccgcg agaaccctct gggaccttcc 480  
 40 gcggccctct ctgcacacat cctcaagtga ccccgacgag cgagacgagg gtggcgggcag 540  
 41 ggcgtcccag ggtgcggcac cgcggctcca gtccctggaa ataattagga aaattctaaa 600  
 42 ggtctcaaaa ggagcaaagt aaaccgtgga ggacaaagaa aagggttggt atttttgtct 660  
 43 ttccagccag cctgctggct cccaagagag aggccttttc agttgagact ctgcttaaga 720  
 44 gaagatccaa agttaagct ctggggtcag gggaggggccc gggggcagga aactacctct 780  
 45 ggcttaatto ttttaagcca cgtaggaact ttcttgagg ataggtggac cctgacatcc 840  
 46 ctgtggcctt gcccaagggc tctgctggc tttctgagtc acagctgcga ggtgatgggg 900  
 47 gctggggccc caggcgtag ctcccagagg gacagctgag cccctgcct tggctccagg 960  
 48 ttggtagaag cagccgaagg gctcctgaca gtggccaggg acccctgggt ccccagggcc 1020  
 49 tgcagatggt tctatgaggg gcagagctcc tggtagatcc atgtgtggct ctgctccacc 1080  
 50 cctgtgccac ccagagagccc tggggggtgg tctccatgcc tgccaccctg gcacgggctt 1140  
 51 tctgtgccgc ctcccacaca aatcagcccc agaaggcccc ggggccttgg cttctgtttt 1200  
 52 ttataaaaca cctcaagcag cactgcagtc tcccatctcc tcgtgggcta agcatcaccg 1260  
 53 cttccacgtg tgttgtgttg gttggcagca aggtgatcc agacccttc tgccccact 1320  
 54 ggcctcatcc aggcctctga ccagtagcct gagaggggct tttctaggc ttcagagcan 1380  
 55 gggagagctg gacggggtag acagtccgct tgtctgttct aagctctgtg agctcagctc 1440  
 56 gagacaa 1447  
 59 <210> SEQ ID NO: 2  
 60 <211> LENGTH: 2481

## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,143

TIME: 13:42:02

Input Set : A:\PB0004-1CIPSEQLST.txt

Output Set: N:\CRF3\04112001\I818143.raw

61 &lt;212&gt; TYPE: DNA

62 &lt;213&gt; ORGANISM: Homo sapiens

W--&gt; 64 &lt;220&gt; FEATURE: -

65 &lt;223&gt; OTHER INFORMATION: 627722CB1

67 &lt;400&gt; SEQUENCE: 2

```

68  ctagcaagca ggtaaagcag ctttgtacaa acacacacag accaacacat ccgggggatgg 60
69  ctgtgtgttg ctagagcaga ggctgattaa acactcagtg tgttggctct ctgtgccact 120
70  cctggaaaat aatgaattgg gtaaggaaca gtaataaga aaatgtgcct tgctaactgt 180
71  gcacattaca acaagccagc ggcagctcct gaaggaaaag ggcttgtgcc gctgccgttc 240
72  aaacttgtca gtcaactcat gccagcagcc tcagcgtctg cctccccagc acacctcat 300
73  tacatgtgtc tgtctggcct gatctgtgca tctgctcgga gacgtcctg acaagtcggg 360
74  aatttctcta tttctccact ggtgcaaaga gcggatttct cctgcttct cttctgtcac 420
75  ccccgctcct ctccccagg aggtccttgg atttatggta gctttggact tgcttccccg 480
76  tctgactgtc cttgacttct agaattggaag aagctgagct ggtgaaggga agactccagg 540
77  ccattcacaga taaaagaaaa atacaggaag aaatctcaca gaagcgtctg aaaatagagg 600
78  aagacaaact aaagcaccag catttgaaga aaaagggcct gagggagaaa tggcttctag 660
79  atggaatcag cagcggaaaa gaacaggaag agatgaagaa gcaaaatcaa caagaccagc 720
80  accagatcca ggttctagaa caaagtatcc tcaggettga gaaagagatc caagatcttg 780
81  aaaaagctga actgcaaatc tcaacgaagg aagaggccat tttaaagaaa ctaaagtcaa 840
82  ttgagcggac aacagaagac attataagat ctgtgaaagt ggaaagagaa gaaagagcag 900
83  aagagtcaat tgaggacatc tatgtctata tccctgacct tccaaagtcc tacatacctt 960
84  ctaggttaag gaaggagata atgaagaaa aagaagatga tgaacaaaat aggaaagctt 1020
85  tatatgcat ggaaattaaa gttgaaaaag acttgaagac tggagaaaat acagtctctg 1080
86  cttcaatacc tctgccatca gatgacttta aaggtacagg aataaaagtt tatgatgatg 1140
87  ggcaaaagtc agtgtatgca gtaagttcta atcacagtgc agcatacaat ggcaccgatg 1200
88  gcctgycacc agltgaagta gaggaacttc taagacaagc ctcaagagaa aactctaaat 1260
89  ccccaacaga gtatcatqag cctgtatatg ccaatccctt ttacaggcct acaaccccac 1320
90  agagagaaac ggtgacccct ggaccaaact ttcaagaaag gataaagatt aaaactaatg 1380
91  gactgggtat tgggtgaaat gaatccatac acaatatggg caatggctct tcagaggaaa 1440
92  ggggaaacaa cttcaatcac atcagtccca ttccgccagt gcctcatccc cgatcagtga 1500
93  ttcaacaagc agaagagaa cttcacaccc cgcacaaaag gctaatgact ccttgggaag 1560
94  aatcgaaatg catgcaggac aaagatgcac cctctccaaa gccaaaggct agccccagag 1620
95  agacaatatt tgggaaatct gaacaccaga attcttcacc cacttgcag gaggaagagg 1680
96  aagatgtcag atataatata gttcattccc tgccctcaga cataaatgat acagaaccgg 1740
97  tgacaatgat tttcatgggg tatcagcagg cagaagacag tgaagaagat aagaagtctc 1800
98  tgacaggata tgatgggata atccatgctg agctgggtgt gattgatgat gaggaggagg 1860
99  aggatgaagg agaagcagag aaaccgtcct accaccccat agctcccat agtcagggtg 1920
100 accagccagc caaaccaaca ccacttctta gaaaaagatc agaagctagt cctcatgaaa 1980
101 acacaaatca taaatcccc cacaataatt ccatatctct gaaagagcaa gaagaaagct 2040
102 taggcagccc tgtccaccat tccccatttg atgtctagac aactggagat gggactgagg 2100
103 atccatcctt aacagcttta aggatgagaa tggcaaagct gggaaaaaag gtgatctaag 2160
104 agttgtacca cctatataaa catcctttga agaagaaact aagaagcatt tgcaaatctc 2220
105 tcttctggat attttgttta tttttctgta agtccaaaaa attatcatta cagtgtacca 2280
106 tatlaagcca tgtgaataag tagtagtcat tatttgtgaa aaattcccaa aaagctgggg 2340
107 aaaacaaatg tgtactttt ccagttactt gacacgattc agtgggggaa aaccagcatt 2400
108 ttttattcta ttgataccaa agcatttcta ataagagctt gttaaattta agaataaagt 2460
109 tatttaaaat aaaaaaaaaa a                                     2481
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 2987

```

## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,143

TIME: 13:42:02

Input Set : A:\PB0004-1CIPSEQLST.txt

Output Set: N:\CRF3\04112001\I818143.raw

```

114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <220> FEATURE:
118 <221> NAME/KEY: unsure
119 <222> LOCATION: 2955
120 <223> OTHER INFORMATION: a or g or c or t, unknown, or other
W--> 122 <220> FEATURE: -
123 <223> OTHER INFORMATION: 639644CB1
125 <400> SEQUENCE: 3
126 agaaaaaaaaag aaaaaagaaa aaaactaagg cagcagctct taataaataa cacctggagc 60
127 agaatecggt aactgctttc acgttggttt ttgcagaagt ggcaatgcat tgaggatata 120
128 tctggcaagc ttcgaattca caagtgtaaa ggaccagtg acctgctcac agtcggcag 180
129 agcacgcgga acctctacgc tcgcggcttc catgacnaag acaaagagt cagttgtagg 240
130 gagtctgggt accgtgccag cagaagccaa agaaagagtc aacggcaatt cttgagaaac 300
131 caggggaagc agcctgagga atgtagctgc gtccatactc ggcagacacg ttccttgtcc 360
132 gtcgaatttg aagggtgaaat atatgacata aatctggaag aagaagaaga attgcaagt 420
133 ttgcaacca gaaacattgc taagcgtcat gatgaaagcc acaaggggac aagagatctc 480
134 caggcttcca gtggtggcaa caggggcagg atgctggcag atagcagcaa cgcctggggc 540
135 ccacctacca ctgtccgagt gacacacaag tgttttatcc ttcccaatga ctctatccat 600
136 tgtgagagag aactgtacca atcgccaga gcgtggaagy accataaggc atacattgac 660
137 aaagagattg aagctctgca agataaaatt aagaatttaa gagaagtga aggacatctg 720
138 aagagaagga agcctgagga atgtagctgc agtaaacaaa gctattacaa taaagagaaa 780
139 ggtgtaaaaa agcaagagaa attaaagagc catcttccac cattcaagga ggctgctcag 840
140 gaagtagata gcaaaactgca acttttcaag gagaacaacc gtaggaggaa gaaggagagg 900
141 aaggagaaga gacggcagag gaagggggaa gagtgcagcc tgctggcct cacttgcttc 960
142 acgcattgaca acaaccactg gcagacagcc ccgttcttga acctgggac tttctgtgct 1020
143 tgcacgagtt ctaacaataa cactactgg tgtttgcgta cagttaatga gacgcataat 1080
144 tttcttttct gtgagtttgc tactggcttt ttggagtatt ttgatatgaa tacagatcct 1140
145 tatcagctca caaatacagt gcacagggta gaacgaggca ttttgaatca gctacacgta 1200
146 caactaatgg agctcagaag ctgtcaagga tataagcagt gcaacccaag acctaagaat 1260
147 ctltgatgtt gaaataaaga tggaggaagc tatgacctac acagaggaca gttatgggat 1320
148 ggatyggaag gttaatcagc ccctctccac tgcagacatc aactygcaay gccatagagg 1380
149 gctacacagt gtgaatgaaa acatctatga gtacagacaa aactacagac ttagtcttgg 1440
150 ggactggact aattacttga aggattttag tagagtattt gcactgctga agagtcacta 1500
151 tgagcaaaat aaaacaaata agactcaaac tgctcaaat gacgggttct tggttgtctc 1560
152 tgctgagcac gctgtgtcaa tggagatggc ctctgctgac tcagatgaag acccaaggca 1620
153 taaggttggg aaaacacctc atttgacctt gccagctgac ctccaacccc tgcatttgaa 1680
154 ccgaccaaca ttaagtccag agagtaaact tgaatggaat aacgacattc cagaagttaa 1740
155 tcatttgaat tctgaacact ggagaaaaac cgaaaaatgg acggggcatg aagagactaa 1800
156 tcacttgtaa accgatttca gtggcgatgg catgacagag cttagagctc ggcccagccc 1860
157 caggctgcag cccattgca ggcaccgaa agaacttccc cagtatggtg gtccctgaaa 1920
158 ggacattttt gaagatcaac tatatcttcc tgtgcattcc gatggaattt cagttcatca 1980
159 gatgttcacc atggccaccg cagaacaccg aagtaattcc agcatagcgg ggaagatggt 2040
160 gaccaagggt gayaagaatc acgaaaagga gaagtcaag cacttayaag gcagcgcctc 2100
161 ctcttcaact tcctctgatt agatgaaact gttaccttac cctaaacaca gtatttcttt 2160
162 ttaacttttt tatttgtaaa ctaataaagg taatcacagc caccaacatt ccaagctacc 2220
163 ctgggtacct ttgtgcagta gaagctagt agcatgtgag caagcgggtg gcacacggag 2280
164 actcatcggt ataatttact atctgccaa agtagaaaag aaggctgggg atatttgggt 2340
165 tggcttggtt ttgatttttt gcttgtttgt ttgttttcta ctaaacaggt attatctttt 2400

```

## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/318,143

TIME: 13:42:02

Input Set : A:\PB0004-1CIPSEQLST.txt

Output Set: N:\CRF3\04112001\I818143.raw

```

166  gaatatacgta gggacataag tatatacatg ttatccaatc aagatggcta gaatgggtgcc 2460
167  tttctgagtg tctaaaactt gacacccctg gtaaatcttt caacacactt ccactgcctg 2520
168  cgtaatgaag ttttgattca tttttaacca ctggaatttt tcaatgccgt cattttcagt 2580
169  tagatgattt tgcactttga gattaaaatg ccatgtctat ttgattagtc ttatTTTTTT 2640
170  atttttacag gcttatcagt ctcaactgtt gctgtcattg tgacaaagtc aaataaaccc 2700
171  ccaaggacga cacacagtat ggatcacata ttgtttgaca ttaagctttt gccagaaaat 2760
172  gttgcatgtg ttttacctcg acttgctaaa atcgattagc agaaaggcat ggctaataat 2820
173  gttgggtggtg aaaaaataaata aataagtaaa caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2880
174  aaaaaaaaaa aaaaaaaaaa aaaaagcaaa aaaagctgcc gccacagtta gatgaagaag 2940
W--> 175  catgaggatc cgagnggggc gctctcttga gtgggtgagg agtcgcg 2987
178 <210> SEQ ID NO: 4
179 <211> LENGTH: 2915
180 <212> TYPE: DNA
181 <213> ORGANISM: Homo sapiens
W--> 183 <220> FEATURE: -
184 <223> OTHER INFORMATION: 1362659CB1
186 <400> SEQUENCE: 4
187  gaggcaagaa ttccggcagc gggacatttt gccaaactta acgagaaaaa gacccccccg 60
188  acccggcaca ctcccccttc ctccagcccc gcttcagcca catgctccag ctgctgccca 120
189  gtaaagccct gtgccttttt ttccctgaa tactgcccaa agcctccctt tcccatctgc 180
190  ctctcaggag ttggggactt tgetaggaga ttttttaagt gtcccttact gggacaacgt 240
191  ggagccacgt ttgcaggagc tccatttgta tccctgctgg tgttgacttc tgtgtagggg 300
192  ccagttcatg tccctgactc tcacctccca tttagataaa gaagccccc cccctttcta 360
193  gagtgatgag agtcaagaag aggggatgta tgaacggcca aattcccatg tgagagggaag 420
194  atgacctgat ccacctagcc tttctctctg gatctgtcct cctccacccc ttccacctga 480
195  gctgtccaca gtaggaaaaca taaagaaaaca atgtccctca catatcccca tgactacata 540
196  atccatcate gtatgaaaata ggaagcaaaa tttgattttg gttttgtaaa acgtacatgc 600
197  ttcaataatt ctttttttgt gtcttaataa ctcatagggg aaaaaaacag ctaccccaag 660
198  gtgttaggtt tcacatatat attcatcaac tattttagaa gatttaattc tatcaaatct 720
199  tgtattacct cagatcattt taaatagcaa gccataacg agctttgaag gctattttac 780
200  catctctgtt cacaaaaggc tctcatgggt cctgacaggt tacccttgag ggttgtgtgc 840
201  tacittttaa aagtcaatgg tttttttct tgtgttctag ttcccataat aggagagaaa 900
202  atalagaaat atatgcaaaa attatagttt tcttttagatc agaaactgat atttttgggt 960
203  cagccatatg tattttgttt aaaggattta aaataaagtg ccgtcatgta gccctgtgga 1020
204  agggagcaca taaccagctg tttggcatga caggtgactt agtatatttg taattgggtt 1080
205  taaaaccaat acaccatact ttctttctgc aaacagccat ctttataact agggaagaaa 1140
206  aattgttggg ttctagactt ttttaataa aattttgttg atatggaatt aggtaagttt 1200
207  aagtgtctat gtgcataatg tttttatata agttttttct attcagtttc actgatccaa 1260
208  ctggcagtggt gtaaatatgg cataagttaa taacactttt ccccaaatg gtgcttttga 1320
209  tttgaaaagg gtctgatggg gagaaggaga acgtatcate ctagcttctt ctcttaataa 1380
210  acctagaaaa acgggtagta aactgtggat agtcaggaaa acaccagca agggacacag 1440
211  ctgtcaggaa atgaatcttc cccccaaccc ccaccatgca gatggataga cagaatcttt 1500
212  cctgactagt cattaggatc aggggcctct gttggatttg tgtttcttga agaatactg 1560
213  gcagagtggg ataaaagaca cgaatatctc ctggtctata aggatactct gatttggggg 1620
214  ttgcattttt catgggtttt atttctgtt cccctggag ttttccatta gtgagtttt 1680
215  gtgcaaggat cttattttgt atgccttccc tcccctagaa agattttgtg caatatatta 1740
216  aatggggaca gaattctaaa tggataaaac aatggctggg tctagccctg agtgacagtc 1800
217  ttaaggctag atctctccca tagtatcatc tgtcctctgg aatgactctc ctgtccctaa 1860
218  aggggttaag agagagatca cctagaaatc cctctggaca cttgtgggtt ctttaggggt 1920

```

## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,143

TIME: 13:42:02

Input Set : A:\PB0004-1CIPSEQLST.txt

Output Set: N:\CRF3\04112001\I818143.raw

```

219  tgagttttttt cttcccccttg agcttcagag aggagagttg gcatgggttaa atctgaatgg 1980
220  ttacctcact gctgaaaacc cagaggggcg tggcacactc gcttgtgtgg aaaagcctct 2040
221  aaatgcatcc cttcctttct ttcctgcttc ctttgcctta caattgaagc agcccgtgg 2100
222  accatcacag tatgcagaga cttcctcacc tttcatatct agggaccacc cccgatgcat 2160
223  tgggtgaggg gggcacttat aaatgcctgc tattgttaag ccattccagc ctcttctct 2220
224  gaatagacca gacgcctttt cacttagttc agtgccagtc cttttgcctt cccaaccctg 2280
225  ctggttaggco tgctgttccc tttgtcttly attaggagag atggaaggag atgagctccc 2340
226  ataactgaat tggcctttgg ttcattgttt ctcctcatac gtatatatgc catatgtgaa 2400
227  tatgccaat atattgtcca acaaatctat ctacgttggt cttttcaaat tagcacgcag 2460
228  ataggaaatt tgagtttttt cttcttttag taactagtat aacaagcact ggtattttttg 2520
229  tacaaaaaag aaaaaacaaa gattgactat tgtggtctgc atgacataaa caaacaatg 2580
230  gtgatataca agcaacgtat acccagtc cagtggtgtt gccataatgt gcaattcagc 2640
231  ttaacagtgc acccaatcta tatttgcatt ttgatattat ttaagctcta tgtacaagg 2700
232  tttgcatgta tttatatggt tcttagggaa aaaaaatgct ataaactgca aatctgaaat 2760
233  tcaaatgtgt tgttccactg agaccagaag aagaagagga gttttaaaag ggataatttg 2820
234  ttggagccaa taaagctttt tgctgatgaa cagaaaccaa tactgctgtg cactgagaat 2880
235  aaaaaactcat gcccacttlyt aaaaaaaaaa aaagg 2915

```

238 &lt;210&gt; SEQ ID NO: 5

239 &lt;211&gt; LENGTH: 1826

240 &lt;212&gt; TYPE: DNA

241 &lt;213&gt; ORGANISM: Homo sapiens

W--&gt; 243 &lt;220&gt; FEATURE: -

244 &lt;223&gt; OTHER INFORMATION: 1446685CB1

246 &lt;400&gt; SEQUENCE: 5

```

247  gaaagccgca gcctcagtc cgcgcgcgc cgtgcgtcc gccagcgcc agctccgcgt 60
248  cccgaccggc ccgcggcagc ctgcgcgcgc ccatggccac ctcctccgag aagtcgcctt 120
249  ctgtcccca gctcctccact cccaagtcgc ccccgcccg caagaaagat gatctctct 180
250  tggggaaact cggagggagc ctggcccgga ggaagaaagc caaggaggtg tccgagctgc 240
251  aggaggagg aatgaacgcc atcaacctgc cctcagccc aattcccttt gagctggacc 300
252  ccgaggacac gatgctggag gagaatgagg tgcgaacaat ggtggatcca aactcacgca 360
253  gtgaccccaa gcttcaagaa ctgatgaagg tattaattga ctggattaat gatgtgttg 420
254  ttggagaaag aatcatttgy aaagacctag ctgaagattt gtatgatgga caagtcctgc 480
255  agaagcttll cgagaaactg gagagtgaga agclaaatgt ggtgagggtc acccagtcag 540
256  agattgctca gaagcaaaaa ctgcagactg tcctggagaa gatcaatgaa accctgaaac 600
257  ttcctcccag gagcatcaag tggaatgtgg attctgttca tgccaagagc ctggtggcca 660
258  lcttacacct gctcgttgyt ctgtctcagt atttccgcgc accaatctga ctcccagacc 720
259  atgtttccat ccaagtgggt gtggtccaga aacgagaagg aatcctccag tctcggaaca 780
260  tccaagagga aataactggt aacacagagg ctctttcccg gaggcagtaa cgtgatgcct 840
261  ttgacacctt gttcgacct gccccagaca agctgaatgt ggtgaaaaag acactcatca 900
262  ctttcgtgaa caagcacctg aataaaactga acctggaggt cacagaactg gaaaccagct 960
263  ttgcagatgg ggtgtacct gtgctgctca tggggctcct ggagggtac tttgtgccc 1020
264  tgcacagctt cttcctgacc ccggacagct ttgaacagaa ggtcttgaat gtctcctttg 1080
265  cctttgagct catgcaagat ggagggttgg aaaagccaaa accgcggcca gaagacatag 1140
266  tcaactgtga cctgaaatct aactacgag tgttgtacaa cctcttcacc aagtaaccga 1200
267  acgtggagtg aggggctgcc ctgggcccac cactgcccac gagttcttgc tgttggcgta 1260
268  ctggaccctc ctccgaactg cttaccctg cttattcctg tctcttgac tgtgctctcc 1320
269  cacaagtcca gctgcaaccc agagatagtg gaaactgaaa ttaggaagga aatcatcaat 1380
270  aactcagtg gctgacccat cctccagag cgctggggac caacctagca atgaagggtg 1440
271  ggaaggttgt tcccttcccg gtgccaggtc cagatttccc tccatgattt gggaaccagg 1500

```

## VERIFICATION SUMMARY

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,143

TIME: 13:42:03

Input Set : A:\PB0004-1CIPSEQLIST.txt

Output Set: N:\CRF3\04112001\I818143.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:28 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:64 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:122 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:183 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:243 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:285 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:320 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:382 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:444 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:484 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:512 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:562 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:629 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:652 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:697 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:744 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:804 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:857 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:917 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:957 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:1002 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:1089 M:256 W: Invalid Numeric Header Field, <220> has non-blank data  
L:1116 M:256 W: Invalid Numeric Header Field, <220> has non-blank data